## **RAW SEQUENCE LISTING**

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: 10578, 902
Source: 1500
Date Processed by STIC: 5-1806

ENTERED

## CRF Errors Edited by the STIC Systems Branch

Serial 1	Number: 10 578  402	CRF Edit Date: 5-18-0 Edited by: 1
	Realigned nucleic acid/amino acid numbers/text text "wrapped" to the next line	in cases where the sequence
	Corrected the SEQ ID NO. Sequence numbers e	edited were:
	Inserted or corrected a nucleic number at the en NO's edited:	d of a nucleic line. SEQ ID
	Deleted: //invalid beginning/end-of-file text;	page numbers
	Inserted mandatory headings/numeric identifier	s, specifically:
	Moved responses to same line as heading/numer	ic identifier, specifically:
<del></del>	Other:	

Revised 09/09/2003



**IFWP** 

**RAW SEQUENCE LISTING**PATENT APPLICATION: **US/10/578,402**DATE: 05/18/2006

TIME: 09:57:12

Input Set : A:\PTO.kd.txt

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4 <110> APPLICANT: Laurie H. Glimcher and Mohamed OUKKA
      6 <120> TITLE OF INVENTION: METHODS FOR MODULATING AN IMMUNE
             RESPONSE BY MODULATING KRC ACTIVITY
     11 <130> FILE REFERENCE: HUI-045CP2US
C--> 13 <140> CURRENT APPLICATION NUMBER: US/10/578,402
C--> 13 <141> CURRENT FILING DATE: 2006-05-03
     13 <150> PRIOR APPLICATION NUMBER: PCT/US2004/036641
     14 <151> PRIOR FILING DATE: 2004-11-03
     16 <150> PRIOR APPLICATION NUMBER: 10/701,401
     17 <151> PRIOR FILING DATE: 2003-11-03
     19 <150> PRIOR APPLICATION NUMBER: PCT/US2002/14166
     20 <151> PRIOR FILING DATE: 2002-05-03
     22 <150> PRIOR APPLICATION NUMBER: 60/288,369
     23 <151> PRIOR FILING DATE: 2003-05-01
     25 <160> NUMBER OF SEQ ID NOS: 8
     27 <170> SOFTWARE: FastSEQ for Windows Version 4.0
     29 <210> SEQ ID NO: 1
     30 <211> LENGTH: 8546
     31 <212> TYPE: DNA
     32 <213> ORGANISM: Homo sapiens
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     35 <221> NAME/KEY: CDS
     36 <222> LOCATION: (889)...(8106)
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     41 aaatetetga cacatettga ecatgagace aeggetggtt tttggcagga ttegaggeae 180
     42 aaacccagca gcctcaacct agttcatgga ggagcctcgc ggggtcctgg ccaagcaagc 240
     43 ccgccctct ggtgggaaga gcggcgcta ggtggaggt ggctgccgta ggagtggaca 300
     44 tgaatgctgg ctttcagaga gaacagcgtt tcagttttgg tcatcggaag tggtgccttc 360
     45 agcacagaag aagagcgtga tttctcctcc aaggccgttg atctccaacc cagaactaaa 420
     46 ggggagaaga gccacccca gcatccagcg tggcatctct tgtgccagga ccagggatga 480
     47 ctgggccatg gacacagatg tctccaacct tcaaccgttt gcatagcaca cgggggactc 540
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     49 gacgttttcc cgacagacat tcaggcagaa agtgctggtg cgttttctgt ctgcaaagta 660
     50 gagggccatc gctcaccaat agaatagcgt gggccctgat gacctgctcc gagtccactc 720
     51 acagecagtg acaettgeaa aaaaeteeca aageegtett gggtttgget eecacagete 780
     52 ttgaccaatg tggccaaagc tggacacctc cttgggacac tgggattatt cataaatgca 840
     53 geoegecetg actetecetg aatageatet gaagtetttg tgaaggte atg gat eet
     54
                                                             Met Asp Pro
     57 gaa caa agt gtc aag ggc acc aag aag gct gag gga agt ccc cgg aag
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RAW SEQUENCE LISTING DATE: 05/18/2006
PATENT APPLICATION: US/10/578,402 TIME: 09:57:12

Input Set : A:\PTO.kd.txt

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		_		Lys			_		_			_			_	-	<i>J J J</i>
64	20	шси	1111	טעם	O <sub>1</sub> y	25	niu	110	0111	1111	30	Vul	DCI	DCI	DCI	35	
		tac	cca	ggc	age		aca	act	cca	acc		gag	age	CCC	acc		1041
				Gly	_			_	_				_		_		1011
68	110		110	O <sub>1</sub> y	40	Cly		nια	110	45	0111	Olu	JCI	110	50	OIII	
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				Ala													1003
72	024			55		· · · ·			60	<b>-</b> 1		001		65		9	
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80		85					90					95					
	ctq		cca	gca	ttc	atq		cct	aac	aaa	cct		cat	ctc	cta	gag	1233
				Ala													
	100					105			•	•	110					115	
86	ggg	tcc	aca	tgg	caa	ctq	gtt	agc	ccc	atg	aga	ctc	qqa	ccc	tct	qqc	1281
				Trp						_	_						
88	-			_	120					125	_		-		130	-	
90	tcc	ttg	ctg	gcc	cct	ggg	ctc	cat	cct	cag	agc	cag	ctc	ctt	cct	tcc	1329
91	Ser	Leu	Leu	Ala	Pro	Gly	Leu	His	Pro	Gln	Ser	Gln	Leu	Leu	Pro	Ser	
92				135					140					145			
94	cac	gct	tcc	atc	att	ccc	CCC	gag	gac	ctt	cct	gga	gtc	ccc	aaa	gtc	1377
95	His	Ala	Ser	Ile	Ile	Pro	Pro	Glu	Asp	Leu	Pro	Gly	Val	Pro	Lys	Val	
96			150					155					160				
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				Arg	Pro	Ser			Ser	Leu	Lys			Glu	Glu	Ala	
100		165					170					175					
																cag	1473
		_	Lys	s Glu	ı Arç	_		Glr	ı Lys	Pro	-	_	з Туг	: Ile	e Cy	s Gln	
	180					185					190					195	
																att	1521
	_	Cys	s Sei	r Arg		-	Ala	. ьуѕ	Pro			. ьег	ı Gir	і гуз		s Ile	
108					200					205					210		1560
																c ttc	1569
		Ser	HIS		_	GIU	Arg	Pro	-		Cys	3 GTZ	Pro		_	y Phe	
112				215					220					225			1617
																t gcc	1617
		PHE	-		. ту	, ser	ASI	. ьет 235	-	. ту	, ula	, AIG	ј љу: 240		. п1:	s Ala	
116			230		~~~						, ,+-	, ~~+			, at	g tac	1665
																t Tyr	1000
120		245		- nys	, AIC	. сту	250		, per	. Gry	1.16	. Gry 255	_	الدى	10	- TAT	
				ı ata	, ,,,,,	r ato			rato	+		-		, +++		g gag	1713
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	260				. 010	265		9	,		270					275	
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RAW SEQUENCE LISTING DATE: 05/18/2006
PATENT APPLICATION: US/10/578,402 TIME: 09:57:12

Input Set : A:\PTO.kd.txt

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131	Ser	Gly	His	Pro	Ala	Glu	Leu	Ser	Pro	Arg	Pro	Lys	Gln	Pro	Leu	Leu	
132				295					300					305			
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135	Ser	Ser	Gly	Leu	Tyr	Ser	Ser	Gly	Ser	His	Ser	Ser	Ser	His	Glu	Arg	
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139	Cys	Ser	Leu	Ser	${\tt Gln}$	Ser	Ser	Thr	Ala	Gln	Ser	Leu	Glu	Asp	Pro	Pro	
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143	Pro	Phe	Val	Glu	Pro	Ser	Ser	Glu	His	Pro	Leu	Ser	His	Lys	Pro	Glu	
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147	Asp	Thr	His	Thr	Ile	Lys	Gln	Lys	Leu	Ala	Leu	Arg	Leu	Ser	Glu	Arg	
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155	Ser	Thr		Ser	Gly	Tyr	Phe		Arg	Ser	Glu	Ser		Glu	Gln	Gln	
156			390					395					400				
	_	-				acc		-	_			_					2145
	Val		Pro	Pro	Asn	Thr		Ala	Lys	Ser	Tyr		Glu	Ile	Ile	Phe	
160		405					410					415					
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	420					425					430					435	0044
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	vai	PIO	ьeu		vai	Pro	Arg	Ini		vai	тте	GIU	HIS		IIII	гуѕ	
172	~+~	a <b>t</b> a	200	455	224	~~~	~~~	~+~	460	~~~			~~~	465	~~~		2227
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176	ьeu	116		TTE	ASII	Glu	Ala		Vai	Asp	1111	ser		116	Asp	Ser	
	~+ <i>~</i>	220	470	200	~~~	agc	+ 00	475	+ 00	200	222	200	480	250	~~~	taa	2385
		-				Ser		_			_	_	_	_			2303
182	vai	485	FIO	Arg	Arg	261	490	шец	SEI	Arg	ALG	495	Ser	Mec	Giu	SEL	
	002		taa	200	ata	tac		asa	000	cta	tas		C2C	ant	asa	222	2433
				_		Tyr				_				_			2433
	500	пур	JUL	JULI	Leu	505	A.y	Jiu	110	Leu	510	JOL	1113	DET	Jiu	515	
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190	1111	د ړ ـ	-10	JIU	520	Der	u	_cu	JUL	525	0111	.11.0	110	-10	530		
	acc	CCC	cct	ata		ctc	cta	aga	acc		tra	ato	cct	tct		acc	2529
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RAW SEQUENCE LISTING DATE: 05/18/2006 PATENT APPLICATION: US/10/578,402 TIME: 09:57:12

Input Set : A:\PTO.kd.txt

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	_			_		Pro					_		_				
	Cys	1111		DCL		+ - 0		555	110	1110	9	O <sub>T</sub> y		- 7 -	DCI	1110	
198			550										560				0.50=
						gac											2625
201	Asp	Asp	His	Ile	Thr	Asp	Ser	Glu	Ala	Leu	Ser	Arg	Ser	Ser	His	Val	
202		565					570					575					
204	ttt	acc	tcc	cac	ccc	cgg	atq	cta	aaq	cca	caq	cca	qca	atc	qaa	tta	2673
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	Pro	Leu	GIA	GLY		Tyr	Ser	Ser	Glu		Pro	GLY	Pro	Ser		Lys	
210					600					605					610		
212	gac	aca	gcc	tcc	aag	CCC	tcg	gac	gaa	gtg	gaa	CCC	aag	gaa	agc	gag	2769
213	Asp	Thr	Ala	Ser	Lys	Pro	Ser	Asp	Glu	Val	Glu	Pro	Lys	Glu	Ser	Glu	
214	-			615	-			_	620				-	625			
	ctt	acc	222		acc	aag	aad	aat		aaa	aca	222	aaa		atc	tac	2817
						Lys											2017
	neu	1111	_	цуѕ	1111	цуь	цуѕ	_	пец	цуѕ	1111	цуѕ	_	vai	TIE	ıyı	
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						ggt											2865
	Glu	Cys	Asn	Ile	Cys	Gly	Ala	Arg	Tyr	Lys	Lys	Arg	Asp	Asn	Tyr	Glu	
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225	Ala	His	Lys	Lys	Tyr	Tyr	Cys	Ser	Glu	Leu	Gln	Ile	Ala	Lys	Pro	Ile	
	660		-	-	-	665	-				670			-		675	
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234				695					700					705			
236	gaa	ctc	act	cca	ctg	agg	aag	agg	agg	aaa	gag	aag	agc	ctt	ggg	gac	3057
237	Glu	Leu	Thr	Pro	Leu	Arg	Lys	Arg	Arg	Lys	Glu	Lys	Ser	Leu	Gly	Asp	
238			710			_	_	715	_	_		_	720		_	_	
	gag	gaa	gag	cca	cct	gcc	t.t.t.	gag	t.c.c	aca	aaa	agt.	cag	ttt	aac	agc	3105
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										~		-	~~~				2152
						gct											3153
		GLY	Pro	Ser	Asp	Ala	Ala	Arg	Asn	Leu		ьeu	GIu	ser	Thr		
246						745					750					755	
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249	Ser	Pro	Ala	Glu	Pro	Ser	Lys	Ser	Val	Pro	Ser	Leu	Glu	Gly	Pro	Thr	
250					760		-			765				-	770		
	aac	ttc	cag	cca	agg	act	ccc	aaσ	cca	aaa	tcc	aat	tca	gaa		gga	3249
						Thr											
254	- y			775	9	****		-10	780	1		- y	551	785	~~_	<b></b> 1	
		~~~		_			<b>+</b>					~+ -			~~~	200	2207
						acg											3297
257	ьys	GIU	Arg	Arg	Thr	Thr	ser	ьys	GIU	тте	ser	val	тте	GIN	HIS	inr	

RAW SEQUENCE LISTING DATE: 05/18/2006
PATENT APPLICATION: US/10/578,402 TIME: 09:57:13

Input Set : A:\PTO.kd.txt

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	Ser																
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265	Gly	Glu	Asp	Lys	Pro	Leu	Ala	Gln	Phe	Pro	Ser	Pro	Pro	Pro	Ala	Pro	
266	820		_	_		825					830					835	
268	cac	gga	cgc	tct	gct	cac	tcc	ctg	cag	cct	aag	ttg	gtc	cgc	cag	ccc	3441
	His																
270		-	_		840					845	-			-	850		
272	aac	att	cag	gtt	cct	gag	atc	cta	gta	act	gag	gag	cct	gac	cgg	ccg	3489
273	Asn	Ile	Gln	Val	Pro	Glu	Ile	Leu	Val	Thr	Glu	Glu	Pro	Asp	Arg	Pro	
274				855					860					865	_		
276	gac	aca	gag	cca	gag	ccg	ccc	cct	aag	gaa	cct	gag	aag	act	gag	gag	3537
	Asp																
278			870					875	_				880				
280	ttc	caa	tgg	ccc	cag	cgc	agc	cag	aca	ctt	gcc	cag	ctc	cca	gct	gag	3585
281	Phe	Gln	Trp	Pro	Gln	Arg	Ser	Gln	Thr	Leu	Ala	Gln	Leu	Pro	Āla	Glu	
282		885	_			_	890					895					
284	aag	gct	cca	ccc	aaa	aag	aag	agg	ttg	cgc	ctg	gca	gag	atg	gcc	caa	3633
	Lys																
286	900					905		-			910					915	
288	tca	tca	ggg	gag	tcc	agc	ttc	gag	tcc	tct	gtg	cct	ctg	tct	cgc	agc	3681
289	Ser	Ser	Gly	$\operatorname{Glu}$	Ser	Ser	Phe	Glu	Ser	Ser	Val	Pro	Leu	Ser	Arg	Ser	
290					920					925					930		
292	ccg	agc	cag	gaa	agc	aat	gtc	tct	ttg	agt	ggg	tcc	agc	cgc	tca	gcc	3729
293	Pro	Ser	Gln	Glu	Ser	Asn	Val	Ser	Leu	Ser	Gly	Ser	Ser	Arg	Ser	Ala	
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300			950					955					960				
	tct																3825
303	Ser		Met	Arg	Pro	Lys	Pro	Leu	Gly	Thr	His	Met	Leu	Thr	Val	Pro	
304		965					970					975					
	agc																3873
307	Ser		His	Pro	His		-	Glu	Met	Arg	_		Ala	Ser	Glu	Gln	
308	980					985					990					995	
	agc																3921
	Ser	Pro	Asn									Glu		_		_	
312															1010		
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	Ser	Phe	Asp			Ser	Leu	Ser			Gly	Pro	Ser			Ala	
316				1015					1020					102			
	cca -																4017
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320			1030					1035					1040				
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VERIFICATION SUMMARY

DATE: 05/18/2006

PATENT APPLICATION: US/10/578,402

TIME: 09:57:14

Input Set : A:\PTO.kd.txt

Output Set: N:\CRF4\05182006\J578402.raw

L:13 M:270 C: Current Application Number differs, Replaced Current Application No L:13 M:271 C: Current Filing Date differs, Replaced Current Filing Date

## Raw Sequence Listing before editing (for reference only)



**IFWP** 

RAW SEQUENCE LISTING DATE: 05/15/2006
PATENT APPLICATION: US/10/578,402 TIME: 10:01:30

Input Set : A:\SEQLIST.TXT

Output Set: N:\CRF4\05152006\J578402.raw

- 4 <110> APPLICANT: Laurie H. Glimcher and Mohamed OUKKA 6 <120> TITLE OF INVENTION: METHODS FOR MODULATING AN IMMUNE
- 7 RESPONSE BY MODULATING KRC ACTIVITY
- C--> 13 <140> CURRENT APPLICATION NUMBER: US/10/578,402
- C--> 13 <141> CURRENT FILING DATE: 2006-05-03

11 <130> FILE REFERENCE: HUI-045CP2US

- 13 <150> PRIOR APPLICATION NUMBER: PCT/US2004/036641
- 14 <151> PRIOR FILING DATE: 2004-11-03
- 16 <150> PRIOR APPLICATION NUMBER: 10/701,401
- 17 <151> PRIOR FILING DATE: 2003-11-03
- 19 <150> PRIOR APPLICATION NUMBER: PCT/US2002/14166
- 20 <151> PRIOR FILING DATE: 2002-05-03
- 22 <150> PRIOR APPLICATION NUMBER: 60/288,369
- 23 <151> PRIOR FILING DATE: 2003-05-01
- 25 <160> NUMBER OF SEQ ID NOS: 8

1156 <210> SEQ ID NO: 8

27 <170> SOFTWARE: FastSEQ for Windows Version 4.0

Does Not Comply
Corrected Diskette Needed

## **ERRORED SEQUENCES**

1179

130

1157 <211> LENGTH: 786 1158 <212> TYPE: PRT 1159 <213> ORGANISM: Homo sapiens 1161 <400> SEQUENCE: 8 1162 Glu Met Leu Ser Ser Leu Ser Ser Asp Pro Ser Asp Thr Lys Glu Ile 1163 1 5 1164 Pro Pro Leu Pro His Pro Ala Leu Ser His Gly Gln Ala Pro Gly Ser 1166 Glu Ala Leu Lys Glu Tyr Pro Gln Pro Ser Gly Lys Pro His Arg Arg 40 1168 Gly Leu Thr Pro Leu Ser Val Lys Lys Glu Asp Ser Lys Glu Gln Pro 1170 Asp Leu Pro Ser Leu Ala Pro Pro Ser Ser Leu Pro Leu Ser Glu Thr 70 75 1172 Ser Ser Arg Pro Ala Lys Ser Gln Glu Gly Thr Asp Ser Lys Lys Val 1173 85 90 1174 Leu Gln Phe Pro Ser Leu His Thr Thr Thr Asn Val Ser Trp Cys Tyr 105 1176 Leu Asn Tyr Ile Lys Pro Asn His Ile Gln His Ala Asp Arg Arg Ser 115 120

1178 Ser Val Tyr Ala Gly Trp Cys Ile Ser Leu Tyr Asn Pro Asn Leu Pro

RAW SEQUENCE LISTING DATE: 05/15/2006
PATENT APPLICATION: US/10/578,402 TIME: 10:01:30

Input Set : A:\SEQLIST.TXT

1180	_	Val	Ser	Thr	Lys		Ala	Leu	Ser	Leu		Arg	Ser	Lys	Gln	
1181		C	T	~1	mb	150	mh w	Mat	77-	mh	155	Dwo	11:0	Dwa	C1.,	160
1183	vaı	ser	ьys	GIU	165	Tyr	Inr	мес	Ala	170	Ата	Pro	HIS	Pro	175	Ala
1184 1185	Glv	λνα	T.011	v-1		Sar	Sar	Sar	Ara		Dro	Ara	Mot	Thr		Val
1186	Gry	Arg	пец	180	FIO	361	261	Ser	185	цуз	FIO	Arg	Hec	190	Giu	vai
1187	His	Leu	Pro		Leu	Val	Ser	Pro		Glv	Gln	Lvs	Asp		Ala	Ara
1188			195					200		2			205			· · · · · <b>J</b>
1189	Val	Glu	Lys	Glu	Glu	Glu	Arg	Arg	Gly	Glu	Pro	Glu	Glu	Asp	Ala	Pro
1190		210	-				215					220				
1191	Ala	Ser	Gln	Arg	Gly	Glu	Pro	Ala	Arg	Ile	Lys	Ile	Phe	Glu	Gly	Gly
1192						230					235					240
1193	Tyr	Lys	Ser	Asn		Glu	Tyr	Val	Tyr		Arg	Gly	Arg	Gly		Gly
1194	_	_	1	_	245	<b>~</b> 1	<b>a</b> .	<b>~</b> 1	-7.	250	~	<b>.</b>	<b>.</b>	D	255	M - L
1195	гàг	Tyr	vaı	-	Glu	GIU	Cys	GIY		Arg	Cys	гàг	гàг		ser	мет
1196 1197	LOU	Tarc	Two	260	Tla	λνα	Thr	uic	265	λcn	<b>77</b> ≈ 1	λrα	Dro	270	17 <b>-</b> 1	Cvc
1198	цец	пуъ	цу5 275	птэ	116	Arg	1111	280	1111	Asp	vaı	Arg	285	ıyı	vai	Cys
1199	Lvs	His		His	Phe	Ala	Phe		Thr	Lvs	Glv	Asn		Thr	Lvs	His
1200	-1-	290	-1-				295	2		-1-	1	300			-1 -	
1201	Met	Lys	Ser	Lys	Ala	His	Ser	Lys	Lys	Cys	Gln	Glu	Thr	Gly	Val	Leu
1202		-		_		310		-	_	_	315					320
1203	Glu	Glu	Leu	Glu	Ala	Glu	Glu	Gly	Thr	Ser	Asp	Asp	Leu	Phe	Gln	Asp
1204					325					330					335	
1205	Ser	Glu	Gly		Glu	Gly	Ser	Glu		Val	Glu	Glu	His		Phe	Ser
1206	_	_	~1	340	_	_	_	_	345	_	_	_	<b>a</b> 3	350	<b>61</b>	3
1207	Asp	Leu		Asp	Ser	Asp	ser		ser	Asp	ьeu	Asp		Asp	GIU	Asp
1208 1209	Clu	Λαn	355	Clu	Clu	Cor	Gln.	360	Glu.	Tau	Sar	λνα	365 Pro	Car	Sar	Glu
1210	GIU	370	Giu	GIU	Giu	261	375	мър	GIU	Беи	261	380	FIO	261	261	Giu
1211	Ala		Pro	Pro	Glv	Pro		His	Ala	Leu	Ara		Asp	Ser	Ser	Pro
1212						390					395		-			400
1213	Ile	Leu	Gly	Pro	Gln	Pro	Pro	Asp	Ala	Pro	Ala	Ser	Gly	Thr	Glu	Ala
1214					405					410					415	
1215	Thr	Arg	Gly	Ser	Ser	Val	Ser	Glu	Ala	Glu	Arg	Leu	Thr	Ala	Ser	Ser
1216				420					425	_				430		
1217	Cys	Ser		Ser	Ser	Gln	Ser		Pro	Gly	Leu	Pro		Leu	Gly	Pro
1218		D	435	<b>a1</b>	<b>a</b>	77-7	<b>a</b> 1	440	7	m1	<b>01</b>	<b>G</b>	445	T	0	·
1219				GIĀ	ser		455	_	Asp	Thr		ser 460		ьeu	ser	Tyr
1220 1221		450 Dro		Cor	Dro				Trn	Cor				Glu	בות	Glw
1222		FIO	vai	261	FIO	470	Arg	FIO	пр	Ser	475	Ser	цур	Gru	nia	480
1223		Ara	Pro	Pro	Leu		Ara	Lvs	His	Ser		Thr	Lvs	Asn	Asp	
1224		5			485		5	-1-		490			-1-		495	
1225	Ser	Pro	Gln	Arg		Ser	Pro	Ala	Arg		Pro	Gln	Ala	Ser		Pro
1226				500	_				505					510		
1227	Ser	Pro	Pro	Gly	Leu	His	Val	Asp	Pro	Gly	Arg	Gly	Met	${\tt Gly}$	Pro	Leu
1228			515					520					525			
1229	Pro	Cys	Gly	Ser	Pro	Arg	Leu	Gln	Leu	Ser	Pro	Leu	Thr	Leu	Cys	Pro

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Input Set : A:\SEQLIST.TXT

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1230		530					535					540				
1231	Leu	Gly	Arg	Glu	Leu	Ala	Pro	Arg	Ala	His	Val	Leu	Ser	Lys	Leu	Glu
1232	545					550					555					560
1233	Gly	Thr	Thr	Asp	Pro	Gly	Leu	Pro	Arg	Tyr	Ser	Pro	Thr	Arg	Arg	Trp
1234					565					570					575	
1235	Ser	Pro	Gly	Gln	Ala	Glu	Ser	Pro	Pro	Arg	Ser	Ala	Pro	Pro	Gly	Lys
1236				580					585					590		
1237	Trp	Ala	Leu	Ala	Gly	Pro	Gly	Ser	Pro	Ser	Ala	Gly	Glu	His	Gly	Pro
1238			595					600					605			
1239	Gly	Leu	Gly	Leu	Ala	Pro	Arg	Val	Leu	Phe	Pro	Pro	Ala	Pro	Leu	Pro
1240		610					615					620				
1242	His	Lys	Leu	Leu	Ser	Arg	Ser	Pro	Glu	Thr	Cys	Ala	Ser	Pro	Trp	Gln
1243	625					630					635					640
1244	Lys	Ala	Glu	Ser	Arg	Ser	Pro	Ser	Cys		Pro	Gly	Pro	Ala		Pro
1245					645					650					655	
1246	Leu	Ser	Ser		Pro	Phe	Ser	Ala		His	Asp	Phe	His		His	Ile
1247				660					665					670		
1248	Leu	Ala	_	Thr	Glu	Glu	Asn		Phe	Ser	His	Leu		Leu	His	Ser
1249			675					680					685			_
1250	Gln		Leu	Thr	Arg	Ala		Cys	Pro	Leu	Ile		Ile	Gly	Gly	Ile
1251		690				-	695	_	_			700				
1252		Met	Val	Gln	Ala	_	Pro	Gly	Ala	His		Thr	Leu	Leu	Pro	_
1253						710	_			_	715			_	_	720
1254	Pro	Thr	Ala	Ala		Val	Ser	GLY	Phe		Gly	GIY	GLY	Ser		Leu
1255				_	725		~ 7	~-7	_	730	_	_	_	_	735	~1
1256	Thr	GLY	Ala	_	GIu	Ala	GIn	GIu	_	GIY	Arg	Trp	Ser		Thr	GIU
1257	_	_	_	740	_		_		745		-	•• 7	<b>a</b>	750	D1	m1
1258	Ser	Ser		Ala	ser	vai	Ser		vai	Ата	ьys	vaı		ьys	Pne	Tnr
1259	-	<b>a</b>	755	<b>~1</b>	<b>.</b>	~1	<b>61</b>	760	70	<b></b> -	D	<b>.</b>	765	7	<b>a</b> 1	7
1260	ьeu		ser	GIU	ьeu	GIU	_	Arg	Asp	Tyr	Pro	_	GIU	Arg	GIU	Arg
1261	m1	770					775					780				
1262		GIY							1							
1263	/	DAE	70211			۸	1 -1	00	- <b>X</b>							
1265/ 1272		- 043(	_PZU	•	<b>)</b> -	X	14	tec	<b>ノ</b> \							
12/4	_				_	-	=									

E--> E--> VERIFICATION SUMMARY

DATE: 05/15/2006

PATENT APPLICATION: US/10/578,402

TIME: 10:01:31

Input Set : A:\SEQLIST.TXT

Output Set: N:\CRF4\05152006\J578402.raw

L:13 M:270 C: Current Application Number differs, Replaced Current Application No

L:13 M:271 C: Current Filing Date differs, Replaced Current Filing Date

L:1265 M:333 E: Wrong sequence grouping, Amino acids not in groups!

L:1265 M:330 E: (2) Invalid Amino Acid Designator, NUMBER OF INVALID KEYS:1

L:1272 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:8

L:1272 M:252 E: No. of Seq. differs, <211> LENGTH:Input:786 Found:787 SEQ:8